

2157
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PTO/SB/17 (10-03)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known

Application Number 09/635,988
Filing Date Aug 09, 2000
First Named Inventor Klemets
Examiner Name EL CHANTI, HUSSEIN A
Art Unit 2157
Attorney Docket No. MS1-565US

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MAY 21 2004

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

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Account
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Lee & Hayes, PLLC

The Director is authorized to: (check all that apply)

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FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims	Fee from below	Fee Paid
Total Claims	-20** =	X	= 0
Independent Claims	-3** =	X	= 0
Multiple Dependent			

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 180.00

SUBMITTED BY

Name (Print/Type) Kasey C. Christie
Signature

Registration No.
(Attorney/Agent)

40,559

(Complete if applicable)

Telephone (509) 324-9256

Date

5-18-04

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/21 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/635,988	RECEIVED MAY 21 2004 Technology Center 2100
	Filing Date	Aug 09, 2000	
	First Named Inventor	Klemets	
	Group Art Unit	2157	
	Examiner Name	EL CHANTI, HUSSEIN A	
Total Number of Pages in This Submission		Attorney Docket Number	MS1-565US

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) Sheets <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO-1449; reference copies (39); return receipt postcard
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Kasey C. Christie, Reg. No. 40,559
Signature	
Date	5-18-04

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: _____	
Typed or printed name	Julie Gehlen
Signature	
Date	5-18-04

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Technology Center 2100

2 Serial No. 09/635,988
3 Filing Date Aug 09, 2000
4 Confirmation No. 5702
5 Inventorship Klemets
6 Applicant Microsoft Corporation
7 Group Art Unit 2157
8 Examiner EL CHANTI, HUSSEIN A
9 Attorney's Docket No. MS1-565US
10 Title: Fast Dynamic Measurement of Bandwidth in a TCP Network Environment

11 **INFORMATION DISCLOSURE STATEMENT AND**
12 **CERTIFICATION UNDER 37 CFR 1.97(e)**

13 The citations listed, copies attached, may be material to the examination of
14 the subject application and are therefore submitted in compliance with the duty of
15 disclosure defined in 37 CFR §1.56. The Examiner is requested to make these
16 citations of official record in this application.

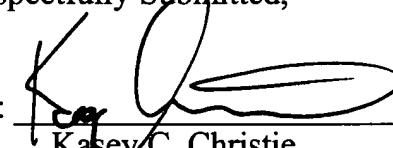
17 I hereby certify that to my knowledge, after reasonable inquiry, no item of
18 information contained in the accompanying PTO-1449 was cited in a
19 communication from a foreign patent office in a counterpart foreign application or
20 was known to any individual designated in §1.56 (c) more than 3 months prior to
21 the filing of this statement.

05/20/2004 10:01 00000052 120769 09635988

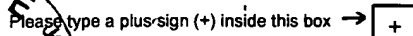
01 FC:1806 180.00 DA

22 Date: 5-18-04

Respectfully Submitted,

23 By: 
24 Kasey C. Christie
25 Reg. No. 40,559

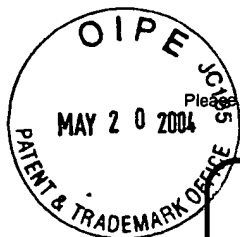
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	09/635,988		
		Filing Date	Aug 09, 2000		
		First Named Inventor	Klemets		
		Group Art Unit	2157		
		Examiner Name	EL CHANTI, HUSSEIN A		
Sheet	3	of	4	Attorney Docket Number	MS1-565US

Technology Center 2100

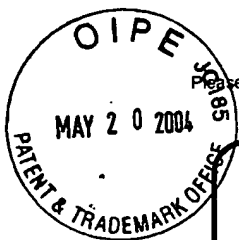
NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		PAKNIKAR, Shantanu, et al. "A Caching and Streaming Framework for Multimedia," ACM Multimedia 2000, Los Angeles, CA; pp. 13-20.	
		GUO, Katherine, et al. "RCache: Design and Analysis of Scalable, Fault Tolerant Multimedia Stream Caching Schemes," Scalability and Traffic Control in IP Networks, Proceedings of SPIE Vol. 4526, (2001); pp. 68-86.	
		ABOUBAKER, N., et al., "Streaming Media Congestion Control Using Bandwidth Estimation," Lecture Notes in Computer Science, 2002, vol. 2496, pp. 89-100.	
		LIEFOOGHE, P., et al., "An Architecture for Seamless Access to Multicast Content," Proceedings of the 26th Annual IEEE Conference on Local Computer Networks, November 8, 2000, pp. 488-494.	
		BRAUN, T., et al., "Multicast for Small Conferences," Proceedings of the Sixth IEEE Symposium on Computers and Communications, July 3, 2001, pp. 145-150.	
		FLEISCHMAN, E., "WAVE and AVI Codec Registries," Network Working Group Request for Comments: 2361, The Internet Society, June 1998, pp. 1-71.	
		CAMARILLO, G., et al., "Grouping of Media Lines in the Session Description Protocol (SDP)," Network Working Group Request for Comments: 3388, The Internet Society, December 2002, pp. 1-21.	
		HANDLEY, M., et al., "SDP: Session Description Protocol," Network Working Group Request for Comments: 2327, The Internet Society, April 1998, pp. 1-42.	
		"Advanced Systems Format (ASF) Specification," Revision 01.20.01e, Microsoft Corp., September 2003, pp. i-vi and 1-93.	
		SCHULZRINNE, H., et al., "RTP: A Transport Protocol for Real-Time Applications," Network Working Group Request for Comments: 3550, July 2003, pp. 1-104.	
		SCHULZRINNE, H., et al., "Real Time Streaming Protocol (RTSP)," Network Working Group Request for Comments: 2326; The Internet Society (April 1998). pp. 1-92.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 4 of 4

Complete if Known

Application Number	09/635,988
Filing Date	Aug 09, 2000
First Named Inventor	Klemets
Group Art Unit	2157
Examiner Name	EL CHANTI, HUSSEIN A
Attorney Docket Number	MS1-565US

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Technology Center 2100

NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		JIN, S., et al. "Accelerating Internet Streaming Media Delivery using Network-Aware Partial Caching," 2002 IEEE, pp. 153-160.	
		FIELDING R. et al, "Hypertext Transfer Protocol -- HTTP/1.1," Network Working Group Request for Comments: 2616; The Internet Society (June 1999); Category: Standards Track. pp. 1-176.	
		MUUSS, M., "The Story of the PING Program," October 18, 1999, retrieved on 4/6/04 from the Internet Archive at < http://web.archive.org/web/19991018225218/ftp.arl.mil/~mike/ping.htm >, 3 pages.	
		MUUSS, M., "The Research Interests of Mike Muuss," October 8, 1999, retrieved on 4/6/04 from the Internet Archive at < http://web.archive.org/web/19991008020453/ftp.arl.mil/~mike/ >, 2 pages.	

Examiner
Signatur

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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